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(54) Title: COATING COMPOSITION FOR METAL SUBSTRATES

(57) Abstract: The present invention provides novel packaging articles, e.g., food and beverage cans. Preferred cans typically comprise a body portion and an end portion, wherein at least one of the body and end portions are aluminum and are coated on at least one major surface with a coating composition of the present invention. Suitable coating compositions of the present invention comprise: one or more polyester resins, wherein at least one of the polyester resins has a glass transition temperature ("T<sub>g</sub>") less than about 50 °C, and wherein the polyester resin is formed by the reaction of one or more polyacid molecules and one or more polyol molecules; and a crosslinker. Preferred compositions are substantially free of mobile BPA and aromatic glycidyl ether compounds, e.g., BADGE, BFDGE and epoxy novolacs (e.g., NOGE) and more preferred compositions are also substantially free of bound BPA and aromatic glycidyl ether compounds. In more preferred embodiments (e.g., alcoholic beverage cans), the polyol molecules used to make the polyester resin are substantially free of NPG. The present invention also provides a method of making such cans.

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC 7 C09D167/00 C09D175/06 B05D7/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category <sup>a</sup>	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, P	<p>EP 1 277 814 A (DSM NV) 22 January 2003 (2003-01-22)</p> <p>page 2, line 44 - line 58; claims 1,3 page 3, paragraph 22 page 4, line 31 - line 55 page 5, line 39 - line 53 page 7, line 51,58</p> <p>---</p> <p style="text-align: center;">-/-</p>	1-7, 10-15, 18-25

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 6 235 102 B1 (SEIBEL LAWRENCE P ET AL) 22 May 2001 (2001-05-22) claim 1 column 5, line 32 - line 40 column 11, line 24 - line 30 column 14, line 67 column 15, line 16; example 3 column 7, line 19  ---	1-7, 10-25
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